



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **09016325 A**(43) Date of publication of application: **17.01.97**

(51) Int. Cl.

G06F 3/033(21) Application number: **07161157**(22) Date of filing: **27.06.95**(71) Applicant: **SHARP CORP**(72) Inventor:
**KOBACHI MITSUO
EBINA KIYOSHI
MIZOGUCHI TAKATOSHI
FUJITA AKIHIRO****(54) INPUT DEVICE AND INPUT PROCESSING
METHOD FOR COMPUTER OR THE LIKE****(57) Abstract:**

PURPOSE: To enable a multifunctional input such as three-dimensional input function and click function with one pointing device.

CONSTITUTION: A movable part 24, for which a reflecting plane 34 is formed, to be three-dimensionally displaced is supported by a fixed part 25, a reflection type photosensor S composed of a light emitting element 21, light receiving element 22, lens 26 and light shielding object 27 having a light emitting window 45 and a light receiving window 46 is mounted on the fixed part 25 while being confronted with the reflecting plane 34, and an integrated pointing device is provided. Output amounts in respective three-dimensional directions are detected from the three-dimensional displacement of the movable part 24 so that an operating direction and a manipulated variable can be calculated.

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